

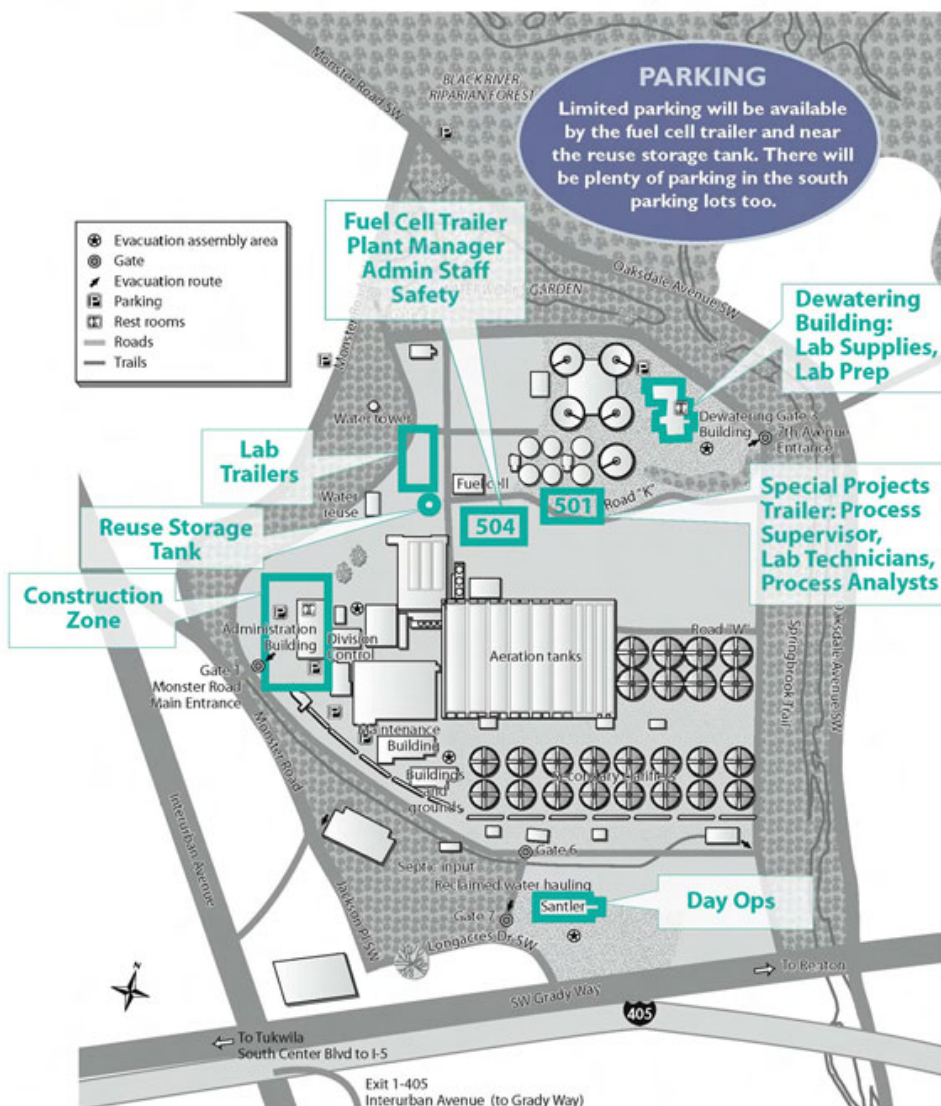
# South Treatment Plant Odor Control Systems

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## Where To Find Staff Until The New Building Is Complete:



**King County**

Department of Natural Resources and Parks  
**Wastewater Treatment Division**  
 201 S. Jackson St., KSC-NR-0505  
 Seattle, WA 98104-3855

Alternative formats available

206-684-1280 or TTY Relay: 711

<http://dnr.metrokc.gov/wtd/>

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## ➤ Wet Chemical Scrubber Cut-Away View

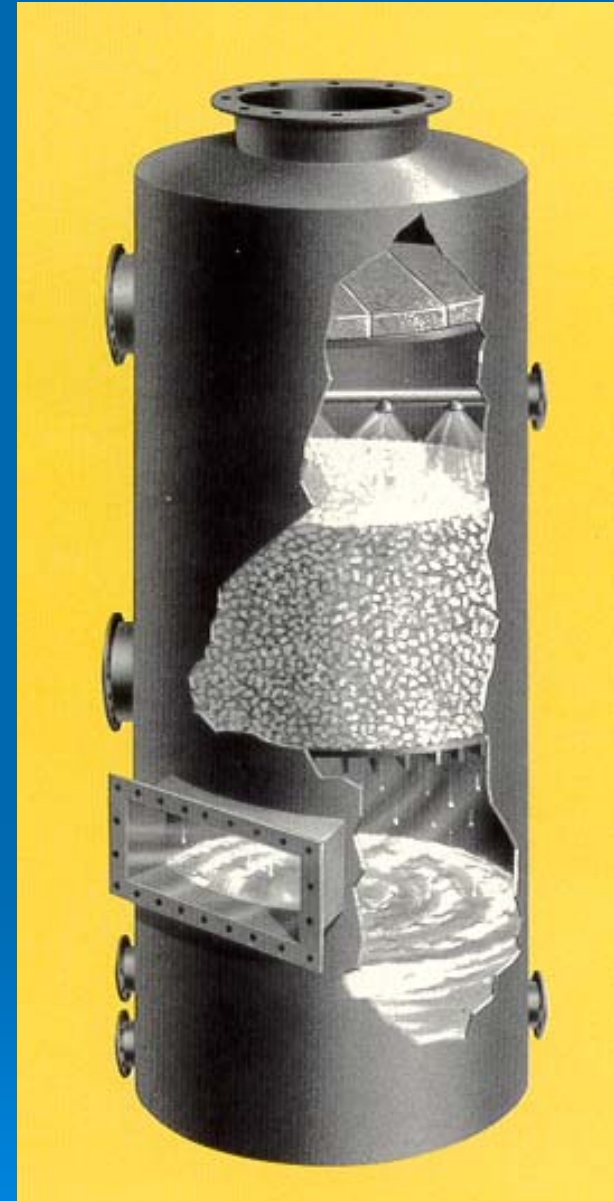
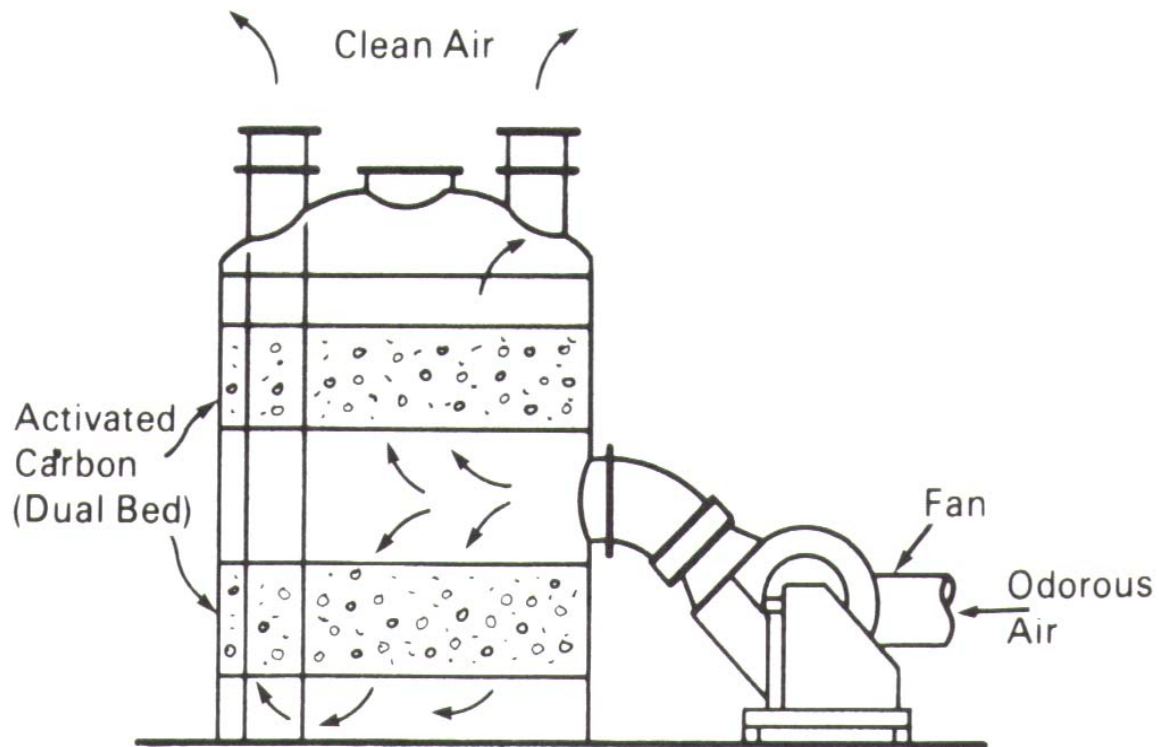
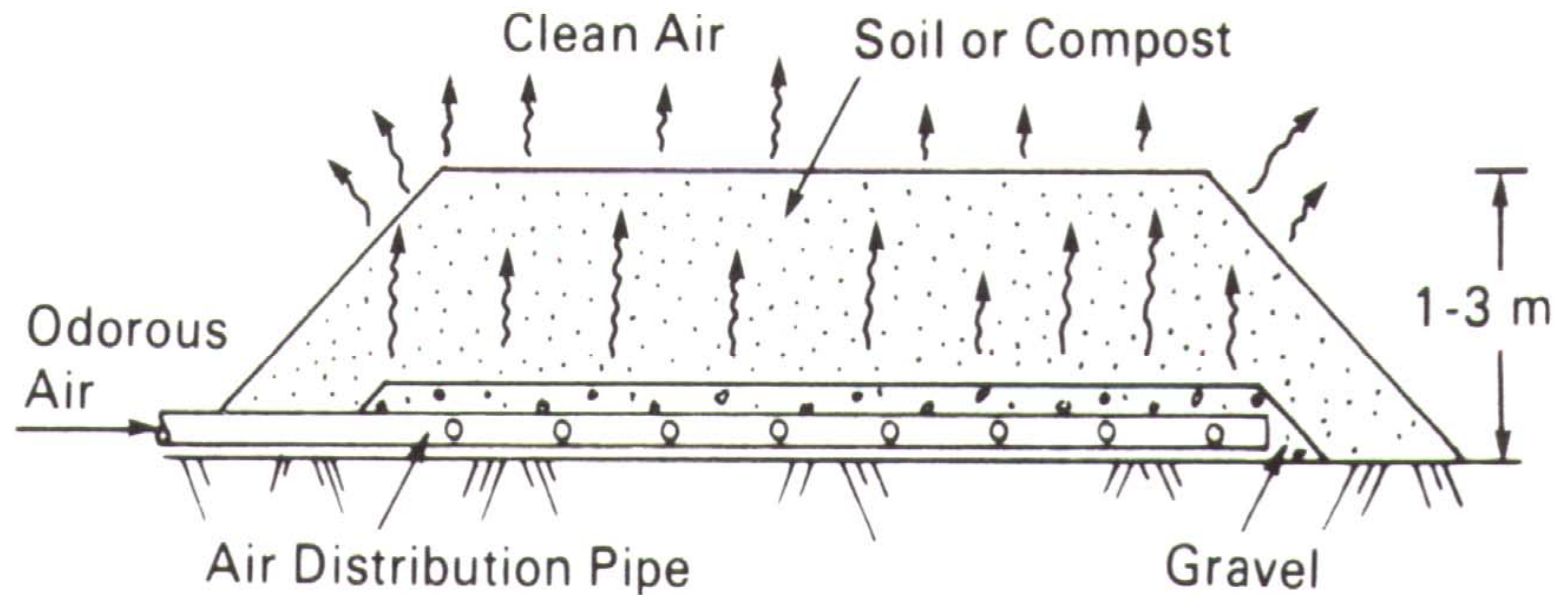


Figure 4-8. Typical activated carbon filter for odor control.



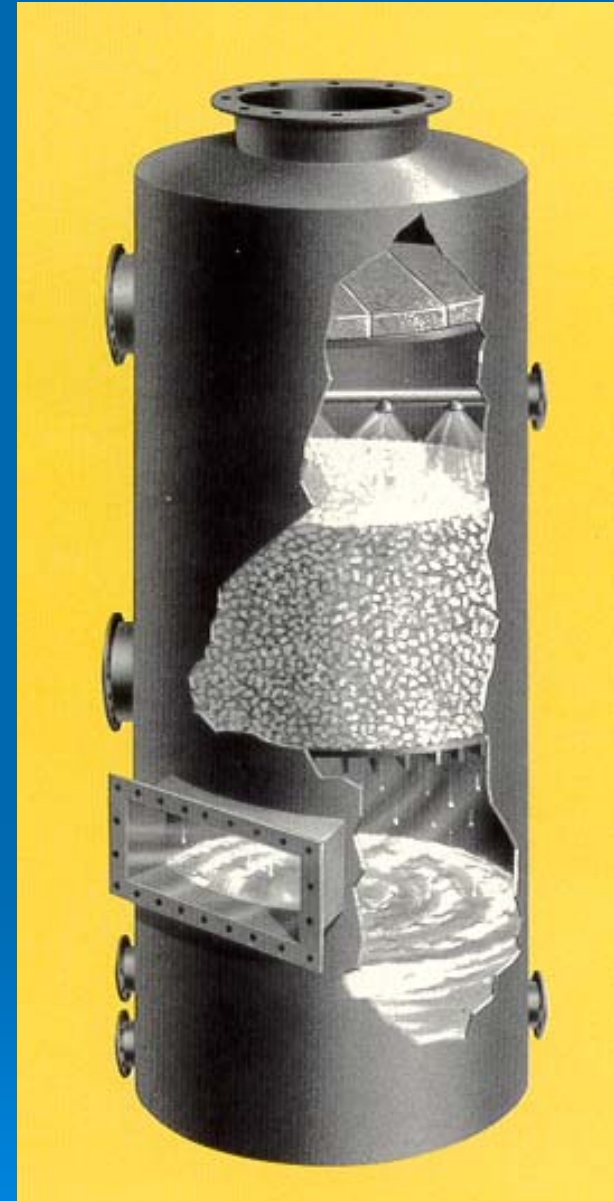
**Figure 4-17. Soil/compost filter for odor control.**







- Bioscrubber internals are very similar to those of the Wet Chemical Scrubber





# South Treatment Plant

- First phase improvements in construction
- Covering and treating foul air from
  - First pass of each aeration basin
  - Return activated sludge (RAS) channel
- Chemical scrubber being added to treat foul air
  - Design includes new ducting and fan
- Chemical injection to control RAS odor & foam



# South Treatment Plant

- Utilizing existing infrastructure for scrubber installation
  - Last plant upgrade included most of the structure & chemical storage systems necessary
- Total project cost: ~\$7,000,000
- Construction Completed: 1<sup>st</sup> quarter 2008

